

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/12116

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08F220/18 C08L33/06 C09J133/06 C08G18/00 C08F290/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08F C08L C09J C08G A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 326 644 A (SCHOLZ WILLIAM F ET AL) 5 July 1994 (1994-07-05) * Anspruch 1 ; Spalte 2, Zeile 6-14 ; Spalte 3, Zeile 43-49 ; Spalte 4, Zeile 1-4,36 * column 5, lines 1-7 ----- US 4 110 290 A (FUKATA RYOJI ET AL) 29 August 1978 (1978-08-29) * Beispiel 3 * column 2, lines 58-65,37-40; claims 1,2	1-4,6,8, 9,17
X	EP 0 039 797 A (BASF AG) 18 November 1981 (1981-11-18) * Seite 2, Zeile 26 - Seite 3, Zeile 5 ; Seite 4, Zeile 6-15, 23-26 * page 3, lines 26-29 ----- -/-	1-4,6,8, 9,17
X		1-6,8,9, 17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

16 January 2004

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21.05.2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 269 994 A (HORN MILTON B ET AL) 30 August 1966 (1966-08-30) claim 1 ----- EP 0 147 067 A (ALLIED COLLOIDS LTD) 3 July 1985 (1985-07-03) * Anspruch 6 ; Seite 2, Zeile 20-23 ; Ansprüche 1-5 ; Seite 3, Zeile 17 ; Zusammenfassung * page 4, lines 7-15 ----- EP 0 295 399 A (MITSUBISHI YUKA BADISCHE) 21 December 1988 (1988-12-21) * Zusammenfassung ; Anspruch 1 ; Seite 4, Zeile 29-31, 35-37 "hydroxyalkyl methacrylate" * page 4, line 58 - page 5, line 4 ----- EP 0 413 301 A (LOHMANN GMBH & CO KG) 20 February 1991 (1991-02-20) * Ansprüche 5-7 * page 2, line 34 - page 3, line 15 ----- EP 0 735 122 A (KOWA CO) 2 October 1996 (1996-10-02) * Ansprüche 1-3 ; Seite 4, Zeile 10-15 * page 3, lines 47-53 ----- WO 01/14492 A (MORI AKIYOSHI ;TAKAGI MOTOYUKI (JP); NAT STARCH CHEM INVEST (US)) 1 March 2001 (2001-03-01) * Zusammenfassung ; Seite 2, Zeile 20 - Seite 3, Zeile 4 ; Seite 4, Zeile 12-23 ; Seite 6, Zeile 15-24 * page 9, lines 7-18 ----- US 5 087 643 A (TRUONG DINH NGUYEN) 11 February 1992 (1992-02-11) abstract; claims 1-37 ----- US 3 215 659 A (SPAULDING DAVID C) 2 November 1965 (1965-11-02) abstract; claims 1-11 ----- DE 195 01 024 A (LOHMANN GMBH & CO KG) 18 July 1996 (1996-07-18) abstract; claims 1-5 ----- US 3 299 010 A (SAMOUR CARLOS M) 17 January 1967 (1967-01-17) abstract; claims 1-45 ----- GB 1 084 412 A (MONSANTO CO) 20 September 1967 (1967-09-20) abstract; claims 1-12 -----	1-4,6,8, 9,17 1-4,6,8, 9,17 1-4,6,8, 9,17 5,7 1-4,6-9, 17 5,7 1-9,17 1-9,17 1-9,17 1-9,17 1-9,17 1-9,17 1-9,17 1-9,17

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1 - 9, partially 17

Remark on Protest

The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

Box II

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, as follows:

1. Claims 1-9, in part 17

Polymer composition (and a method therefor), producible by polymerisation of (a) 1 to 50 wt.% polar (meth)acrylates with Zerewitinoff hydrogen; (b) 50 to 99 wt.% apolar (meth)acrylates; (c) 0 to 10 wt.% of a difunctional, trifunctional or higher functional (meth)acrylate or (poly) functional compound as defined in claim 1; (d) 0.05 to 5 wt.% of an initiator as defined in claim 1; (e) 0 to 90 wt.% of a fluid, chemically inert medium, relative to the sum of the components from (a) to (d); and in relation to claims 2 to 5 further characterised in that the polar (meth)acrylates are as further defined in claims 2 to 5; and in relation to claims 6 to 9 further characterised in that the apolar (meth)acrylates are as further defined in claims 6 to 9.

2. Claims 10-12, in part 17

A further polymer composition (and a method therefor), characterised in that components (c) are selected from the group consisting of the reaction products of (meth)acrylic acid with di-, tri-, or polyols, the analogous vinyl ethers or mixtures thereof, and (meth)acrylated polyesters and (meth)acrylated polyurethane, as defined in claims 10 to 12.

3. Claims 13, in part 17

A further polymer composition (and a method therefor), characterised in that the compound that is active in relation to the Zerewitinoff hydrogen is selected from the group consisting of mono-, di-, and polyepoxides.

4. Claims 14, in part 17

A further polymer composition (and a method therefor), characterised in that the compound that is active in relation to the Zerewitinoff hydrogen is selected from the group consisting of mono-, di-, and polyisocyanates.

5. Claims 15, in part 17

A further polymer composition (and a method therefor), characterised in that the compound that is active in relation to the Zerewitinoff hydrogen is selected from the group consisting of mono-, di-, and polyaziridines.

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6. Claims 16, in part 17

A further polymer composition (and a method therefor), characterised in that the compound that is active in relation to the Zerewitinoff hydrogen is selected from the group consisting of melamine and derivatives thereof.

7. Claim 18

Use of the polymer composition according to one of claims 1 to 16 as adhesive or sealant.

8. Claim 19

A further use of the polymer composition according to one of claims 1 to 16 for producing adhesive strips.

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Information on patent family members

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